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November 24, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of October 2020.

Sincerely,

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		OCTOBER 2020
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	80,803,328
	MWH sales:		
2	Total System Sales		4,970,591
3	Less intersystem sales		626,984
4	Total sales less intersystem sales		4,343,607
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		1.8603
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.2156
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		220,392
8	Oil		(2,931)
9	Natural Gas - Combustion Turbine		160,647
10	Natural Gas - Combined Cycle		1,349,161
11	Biogas		2,395
12	Total Fossil		1,729,664
13	Nuclear		2,631,672
14	Hydro - Conventional		73,639
15	Solar Distributed Generation		20,993
16	Total MWH generation		4,455,968

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		OCTOBER 2020
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	8,527,574
0501310 fuel oil consumed - steam		115,856
Total Steam Generation - Account 501		8,643,430
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		15,419,408
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		2,780,488
0547000 natural gas capacity - Combustion Turbine		771,382
0547000 natural gas consumed - Combined Cycle		24,843,608
0547000 natural gas capacity - Combined Cycle		12,202,553
0547106 biogas consumed - Combined Cycle		102,124
0547200 fuel oil consumed		2,161
Total Other Generation - Account 547		40,702,316
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		24,035,441
Fuel and fuel-related component of DERP purchases		68,403
PURPA purchased power capacity		6,157,840
DERP purchased power capacity		18,021
Total Purchased Power and Net Interchange - Account 555		30,279,705
Less:		
Fuel and fuel-related costs recovered through intersystem sales		14,463,460
Solar Integration Charge		4,763
Total Fuel Credits - Accounts 447/456		14,468,224
Total Costs Included in Base Fuel Component	$	80,576,635
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	1,465
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		305,963
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		52,468
Less emissions expense recovered through intersystem sales - Account 447		28,267
Total Costs Included in Environmental Component		226,693
Fuel and Fuel-related Costs excluding DERP incremental costs	$	80,803,328
DERP Incremental Costs		304,902
Total Fuel and Fuel-related Costs	$	81,108,230

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		OCTOBER 2020
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	8,350
Shared Solar Program	$	695
Total DERP Avoided Costs	$	9,044
DERP Incremental Costs		
Purchased Power Agreements		5,939
DERP NEM Incentive		170,764
Solar Rebate Program - Amortization		49,715
Solar Rebate Program - Carrying Costs		40,992
Shared Solar Program		6,265
NEM Avoided Capacity Costs		422
NEM Meter Costs		10,817
General and Administrative Expenses		19,952
Interest on under-collection due to cap		36
Total DERP Incremental Costs	$	304,902

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

OCTOBER 2020

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	**$**	**$**	**mWh**	**Fuel $**	**Non-fuel $**
Broad River Energy, LLC	$ 1,622,725	$ 955,687	13,767	$ 667,038	-
City of Fayetteville	292,423	299,750	-	(7,327)	-
DE Carolinas - Native Load Transfer	711,051	-	32,404	695,330	$ 15,721
DE Carolinas - Native Load Transfer Benefit	227,142	-	-	227,142	-
Haywood EMC	28,550	28,550	-	-	-
NCEMC	2,938,032	2,633,659	8,350	304,373	-
PJM Interconnection, LLC	408	-	-	408	-
Southern Company Services	2,182,524	687,324	52,917	1,495,200	-
Energy Imbalance	5,628	-	264	5,369	259
Generation Imbalance	(20,228)	-	(1,230)	(20,106)	(122)
	$ 7,988,255	**$4,604,970**	**106,472**	**$ 3,367,427**	**$ 15,858**
Act 236 PURPA Purchases					
DERP Qualifying Facilities	$ 93,848	-	2,330	$ 93,848	-
Other Qualifying Facilities	14,960,442	-	249,297	14,960,442	-
Renewable Energy	11,865,412	-	211,064	11,865,412	-
	$ 26,919,702	**-**	**462,691**	**$ 26,919,702**	**-**
Total Purchased Power	**$ 34,907,957**	**$4,604,970**	**569,163**	**$ 30,287,129**	**$ 15,858**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

OCTOBER 2020

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:					
DE Carolinas - As Available Capacity	$ 34,430	$ 34,430	-	-	-
Market Based:					
NCEMC Purchase Power Agreement	840,021	652,500	6,666	$ 125,826	$ 61,695
PJM Interconnection, LLC.	103,164	-	3,825	75,540	27,624
Other:					
DE Carolinas - Native Load Transfer Benefit	2,145,362	-	-	2,145,362	-
DE Carolinas - Native Load Transfer	12,925,515	-	617,910	12,232,144	693,371
Generation Imbalance	(44,201)	-	(1,417)	(34,677)	(9,524)
BPM Transmission	-				-
Total Intersystem Sales	**$ 16,004,291**	**$ 686,930**	**626,984**	**$ 14,544,195**	**$ 773,166**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
OCTOBER 2020

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,343,607,027
2	DERP Net Metered kWh generation	Input					2,588,219
3	Adjusted System kWh sales	L1 + L2					4,346,195,246
4	Actual S.C. Retail kWh sales	Input	126,202,427	19,410,329	302,708,844	6,257,419	454,579,019
5	DERP Net Metered kWh generation	Input	1,375,191	27,233	1,185,795		2,588,219
6	Adjusted S.C. Retail kWh sales	L4 + L5	127,577,618	19,437,562	303,894,639	6,257,419	457,167,238
7	Actual S.C. Demand units (kw)	L32 / 31b *100			626,600		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					$61,358,436
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$58,558
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$61,416,994
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.413
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$1,802,826	$274,676	$4,294,399	$88,425	$6,460,326
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($30,993)	($3,057)	($24,508)	$0	($58,558)
14	S.C. Retail portion of incurred system expense	L12 + L13	$1,771,833	$271,619	$4,269,891	$88,425	$6,401,768
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	1.887	1.887	1.887	1.887	1.887
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$2,381,186	$366,273	$5,712,116	$118,077	$8,577,652
17	DERP NEM incentive - fuel component	Input	$2,491	$246	$1,970	$0	$4,707
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$2,383,677	$366,519	$5,714,086	$118,077	$8,582,359
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L14 - L18	($611,844)	($94,900)	($1,444,195)	($29,652)	($2,180,591)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($611,844)	($94,900)	($1,444,195)	($29,652)	($2,180,591)
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.840	0.539			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			134		
23	Incurred S.C. base fuel - capacity expense	Input	$1,059,709	$104,536	$837,986		$2,002,231
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.528	0.358			
24b	Billed base fuel - capacity rate (¢/kW)	Input			108		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$666,381	$69,489	$676,758	$0	$1,412,628
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L23 - L25	$393,328	$35,047	$161,228	$0	$589,603
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	$393,328	$35,047	$161,228	$0	$589,603
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.010	0.006			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			2		
30	Incurred S.C. environmental expense	Input	$12,557	$1,239	$9,929		$23,725
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.021	0.012			
31b	Billed environmental rate (¢/kW)	Input			6		
32	Billed S.C. environmental revenue	L31a * L4 /100	$26,305	$2,329	$37,596		$66,230
33	S.C. environmental (over)/under recovery [See footnote]	L30 - L32	($13,748)	($1,090)	($27,667)	$0	($42,505)
34	Adjustment	Input					
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($13,748)	($1,090)	($27,667)	$0	($42,505)
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.004	0.002			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			1		
37	Incurred S.C. DERP avoided cost expense	Input	$4,787	$472	$3,785		$9,044
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.002	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			2		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$2,505	$194	$12,533		$15,232
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L37 - L39	$2,282	$278	($8,748)	$0	($6,188)
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$2,282	$278	($8,748)	$0	($6,188)
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($229,982)	($60,665)	($1,319,382)	($29,652)	($1,639,681)

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$8,184,894					
March 2020 - actual	6,703,728	($500,048)	($60,906)	($900,533)	($19,679)	($1,481,166)
April 2020 - actual	4,364,676	(697,174)	(89,196)	(1,518,585)	(34,097)	(2,339,052)
May 2020 - actual	4,577,719	65,636	6,313	137,505	3,589	213,043
June 2020 - actual	4,478,233	(30,783)	(6,228)	(61,363)	(1,112)	(99,486)
July 2020 - actual	6,715,676	792,265	102,353	1,317,188	25,637	2,237,443
August 2020 - actual	8,724,125	679,243	87,051	1,222,797	19,358	2,008,449
September 2020 - actual	8,099,982	(235,888)	(34,162)	(346,669)	(7,424)	(624,143)
October 2020 - actual	5,919,391	(611,844)	(94,900)	(1,444,195)	(29,652)	(2,180,591)
November 2020 - forecast	6,033,896	35,229	5,542	72,006	1,728	114,505
December 2020 - forecast	6,731,013	247,673	31,035	408,609	9,800	697,117
January 2021 - forecast	6,727,433	(1,448)	(149)	(1,937)	(46)	(3,580)
February 2021 - forecast	6,574,166	(59,835)	(6,508)	(84,895)	(2,029)	(153,267)
March 2021 - forecast	6,380,136	(70,241)	(8,803)	(112,298)	(2,688)	(194,030)
April 2021 - forecast	5,032,143	(425,476)	(66,490)	(836,015)	(20,012)	(1,347,993)
May 2021 - forecast	4,384,740	(194,435)	(32,697)	(410,451)	(9,820)	(647,403)
June 2021 - forecast	$3,694,937	(221,168)	(33,738)	(424,799)	(10,098)	($689,803)

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$2,280,576					
March 2020 - actual	2,080,723	($542,342)	($57,884)	$400,373	$0	($199,853)
April 2020 - actual	2,576,867	198,269	22,469	275,406	0	496,144
May 2020 - actual	3,180,854	263,866	26,727	313,394	0	603,987
June 2020 - actual	3,332,298	(50,274)	(6,671)	208,389	0	151,444
July 2020 - actual	3,922,473	144,961	17,783	427,431	0	590,175
August 2020 - actual	4,544,592	227,860	33,406	360,853	0	622,119
September 2020 - actual	4,825,152	107,838	15,343	157,379	0	280,560
October 2020 - actual	5,414,755	393,328	35,047	161,228	0	589,603
November 2020 - forecast	5,554,631	179,745	15,444	(55,313)	0	139,876
December 2020 - forecast	5,185,666	(139,040)	3,578	(233,503)	0	(368,965)
January 2021 - forecast	4,539,713	(407,272)	567	(239,248)	0	(645,953)
February 2021 - forecast	4,027,261	(332,621)	1,077	(180,908)	0	(512,452)
March 2021 - forecast	3,927,941	(13,020)	18,349	(104,649)	0	(99,320)
April 2021 - forecast	4,137,594	143,282	13,769	52,602	0	209,653
May 2021 - forecast	4,305,111	209,289	14,188	(55,960)	0	167,517
June 2021 - forecast	$4,033,554	6,443	2,092	(280,092)	0	($271,557)

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	($86,728)					
March 2020 - actual	(234,402)	($97,924)	($9,094)	($40,656)	$0	($147,674)
April 2020 - actual	(399,194)	(93,739)	(9,066)	(61,987)	0	(164,792)
May 2020 - actual	(553,737)	(87,410)	(8,677)	(58,456)	0	(154,543)
June 2020 - actual	(605,586)	(41,045)	(4,402)	(6,402)	0	(51,849)
July 2020 - actual	(555,502)	13,176	1,515	35,393	0	50,084
August 2020 - actual	(382,799)	93,287	10,247	69,169	0	172,703
September 2020 - actual	(371,786)	10,098	1,743	(828)	0	11,013
October 2020 - actual	(414,291)	(13,748)	(1,090)	(27,667)	0	(42,505)
November 2020 - forecast	(408,778)	13,932	1,771	(10,190)	0	5,513
December 2020 - forecast	(313,792)	60,081	7,100	27,805	0	94,986
January 2021 - forecast	(158,847)	86,896	10,674	57,375	0	154,945
February 2021 - forecast	22,560	100,632	11,761	69,014	0	181,407
March 2021 - forecast	70,911	34,711	4,695	8,945	0	48,351
April 2021 - forecast	7,235	(26,550)	(2,141)	(34,985)	0	(63,676)
May 2021 - forecast	(62,462)	(25,245)	(2,248)	(42,204)	0	(69,697)
June 2021 - forecast	($89,257)	(7)	580	(27,368)	0	($26,795)

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$12,641					
March 2020 - actual	11,876	($2,864)	($414)	$2,513	$0	($765)
April 2020 - actual	12,921	(964)	(203)	2,212	0	1,045
May 2020 - actual	16,781	603	(55)	3,312	0	3,860
June 2020 - actual	32,685	6,591	490	8,823	0	15,904
July 2020 - actual	32,855	1,192	62	(1,084)	0	170
August 2020 - actual	30,362	3,988	534	(7,015)	0	(2,493)
September 2020 - actual	22,557	1,299	236	(9,340)	0	(7,805)
October 2020 - actual	16,369	2,282	278	(8,748)	0	(6,188)
November 2020 - forecast	8,878	2,906	357	(10,754)	0	(7,491)
December 2020 - forecast	(1,404)	1,930	335	(12,547)	0	(10,282)
January 2021 - forecast	(12,636)	863	318	(12,413)	0	(11,232)
February 2021 - forecast	(22,245)	1,346	341	(11,296)	0	(9,609)
March 2021 - forecast	(32,126)	2,055	357	(12,293)	0	(9,881)
April 2021 - forecast	(37,126)	3,064	381	(8,445)	0	(5,000)
May 2021 - forecast	(42,742)	3,996	451	(10,063)	0	(5,616)
June 2021 - forecast	($54,398)	2,173	305	(14,134)	0	($11,656)

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
OCTOBER 2020

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$161,374	$85,219	$58,309	$304,902
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	3.67	99.50	
46	Billed S.C. DERP incremental revenue	Input	$140,618	$119,378	$26,169	$286,165
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	20,756	($34,159)	$32,141	$18,738
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$20,756	($34,159)	$32,141	$18,738

Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2020	$45,020	
March 2020 - actual	22,698	($22,322)
April 2020 - actual	19,428	(3,270)
May 2020 - actual	14,695	(4,733)
June 2020 - actual	25,056	10,361
July 2020 - actual	76,859	51,803
August 2020 - actual	98,892	22,033
September 2020 - actual	147,012	48,120
October 2020 - actual	165,750	18,738
November 2020 - forecast	285,479	119,728
December 2020 - forecast	412,505	127,026
January 2021 - forecast	543,922	131,418
February 2021 - forecast	675,315	131,393
March 2021 - forecast	806,814	131,499
April 2021 - forecast	938,682	131,868
May 2021 - forecast	1,070,797	132,115
June 2021 - forecast	$1,202,984	$132,187

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of 1.901 and RECD 5% discount.
/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of .532 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/20 approved residential rate of .021 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of .002 and RECD 5% discount.

Duke Energy Progress
Fuel and Fuel Related Cost Report
OCTOBER 2020

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$1,456,867	$33,214,092	-	-	-	-	-
Oil	11,142	85,941	-	-	-	-	-
Gas - CC	-	-	$6,418,479	$12,919,800	$10,707,537	$7,000,345	-
Gas - CT	-	-	125,849	1,560,272	319,862	-	-
Biogas	-	-	-	539,831	-	-	-
Total	$1,468,009	$33,300,033	$6,544,328	$15,019,903	$11,027,399	$7,000,345	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	-	452.03	-	-	-	-	-
Oil	1,082.80	1,052.55	-	-	-	-	-
Gas - CC	-	-	463.72	295.61	390.79	398.35	-
Gas - CT	-	-	530.47	287.94	494.43	-	-
Biogas	-	-	-	2,743.32	-	-	-
Weighted Average	INF.	452.70	464.85	304.54	393.18	398.35	-
Cost of Fuel Burned ($)							
Coal	-	$8,527,574	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	115,856	-	-	-	-	$2,161
Gas - CC	-	-	$6,418,479	$12,919,800	$10,707,537	$7,000,345	-
Gas - CT	-	-	125,849	1,560,272	319,862	-	-
Biogas	-	-	-	539,831	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	$8,643,430	$6,544,328	$15,019,903	$11,027,399	$7,000,345	$2,161
Average Cost of Fuel Burned (¢/MBTU)							
Coal	-	376.40	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	1,248.85	-	-	-	-	1,688.28
Gas - CC	-	-	463.72	295.61	390.79	398.35	-
Gas - CT	-	-	530.47	287.94	494.43	-	-
Biogas	-	-	-	2,743.32	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	379.95	464.85	304.54	393.18	398.35	1,688.28
Average Cost of Generation (¢/kWh)							
Coal	-	3.76	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	-	-	-
Gas - CC	-	-	3.03	2.41	2.85	3.12	-
Gas - CT	-	-	6.78	1.50	4.85	-	-
Biogas	-	-	-	22.54	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	3.86	3.06	2.34	2.88	3.12	-
Burned MBTU's							
Coal	-	2,265,581	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	9,277	-	-	-	-	128
Gas - CC	-	-	1,384,126	4,370,503	2,739,947	1,757,329	-
Gas - CT	-	-	23,724	541,872	64,693	-	-
Biogas	-	-	-	19,678	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	2,274,858	1,407,850	4,932,053	2,804,640	1,757,329	128
Net Generation (mWh)							
Coal	(6,489)	226,881	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	(2,916)	-	-	-	-	(15)
Gas - CC	-	-	211,763	536,356	376,320	224,722	-
Gas - CT	-	-	1,856	103,926	6,593	-	-
Biogas	-	-	-	2,395	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)							
Solar (Total System)							
Total	(6,489)	223,965	213,619	642,677	382,913	224,722	(15)
Cost of Reagents Consumed ($)							
Ammonia	-	-	-	$11,527	-	-	-
Limestone	-	226,050	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	-	71,241	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	-	$297,291	-	$11,527	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME OCTOBER 2020
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$34,670,959	$245,239,235
Oil	-	-	-	-	-	$604	97,687	9,886,050
Gas - CC	-	-	-	-	-	-	37,046,161	513,144,294
Gas - CT	($1,533)	$1,547,396	$24	-	-	-	3,551,870	67,124,406
Biogas	-	-	-	-	-	-	539,831	4,528,174
Total	($1,533)	$1,547,396	$24	-	-	$604	$75,906,508	$839,922,159
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	471.86	374.57
Oil	-	-	-	-	-	-	1,062.51	1,428.96
Gas - CC	-	-	-	-	-	-	361.36	362.04
Gas - CT	-	279.42	-	-	-	-	299.97	326.38
Biogas	-	-	-	-	-	-	2,743.32	2,776.54
Weighted Average	-	279.42	-	-	-	-	403.49	367.44
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$8,527,574	$246,713,835
Oil - CC	-	-	-	-	-	-	-	642,072
Oil - Steam/CT	-	-	-	-	-	-	118,017	8,833,026
Gas - CC	-	-	-	-	-	-	37,046,161	513,144,294
Gas - CT	($1,533)	$1,547,396	$24	-	-	-	3,551,870	67,124,406
Biogas	-	-	-	-	-	-	539,831	4,528,174
Nuclear	-	-	-	$8,154,337	$4,219,461	$3,045,610	15,419,408	175,606,937
Total	($1,533)	$1,547,396	$24	$8,154,337	$4,219,461	$3,045,610	$65,202,861	$1,016,592,745
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	376.40	363.13
Oil - CC	-	-	-	-	-	-	-	1,537.16
Oil - Steam/CT	-	-	-	-	-	-	1,254.83	1,505.64
Gas - CC	-	-	-	-	-	-	361.36	362.04
Gas - CT	-	279.42	-	-	-	-	299.97	326.38
Biogas	-	-	-	-	-	-	2,743.32	2,776.54
Nuclear	-	-	-	56.42	56.40	55.67	56.27	56.67
Weighted Average	-	279.42	-	56.42	56.40	55.67	158.51	187.95
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.87	4.01
Oil - CC	-	-	-	-	-	-	-	14.83
Oil - Steam/CT	-	-	-	-	-	-	-	24.27
Gas - CC	-	-	-	-	-	-	2.75	2.62
Gas - CT	-	3.19	-	-	-	-	2.21	3.65
Biogas	-	-	-	-	-	-	22.54	20.09
Nuclear	-	-	-	0.60	0.58	0.57	0.59	0.59
Weighted Average	-	3.19	-	0.60	0.58	0.57	1.46	1.74
Burned MBTU's								
Coal	-	-	-	-	-	-	2,265,581	67,941,197
Oil - CC	-	-	-	-	-	-	-	41,770
Oil - Steam/CT	-	-	-	-	-	-	9,405	586,663
Gas - CC	-	-	-	-	-	-	10,251,905	141,735,986
Gas - CT	-	553,780	-	-	-	-	1,184,069	20,566,622
Biogas	-	-	-	-	-	-	19,678	163,087
Nuclear	-	-	-	14,451,647	7,481,201	5,470,599	27,403,447	309,850,809
Total	-	553,780	-	14,451,647	7,481,201	5,470,599	41,134,085	540,886,134
Net Generation (mWh)								
Coal	-	-	-	-	-	-	220,392	6,156,284
Oil - CC	-	-	-	-	-	-	-	4,330
Oil - Steam/CT	-	-	-	-	-	-	(2,931)	36,400
Gas - CC	-	-	-	-	-	-	1,349,161	19,557,415
Gas - CT	(176)	48,531	(83)	-	-	-	160,647	1,837,855
Biogas	-	-	-	-	-	-	2,395	22,541
Nuclear	-	-	-	1,369,228	732,024	530,420	2,631,672	29,824,957
Hydro (Total System)							73,639	807,963
Solar (Total System)							20,993	245,817
Total	(176)	48,531	(83)	1,369,228	732,024	530,420	4,455,968	58,493,563
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	11,527	$1,531,266
Limestone	-	-	-	-	-	-	226,050	7,728,133
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	71,241	2,802,197
Urea	-	-	-	-	-	-	-	123,480
Total	-	-	-	-	-	-	$308,818	$12,185,076

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
OCTOBER 2020

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	400,959	634,934	-	-	-	-	-
Tons received during period	-	293,861	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	-	91,053	-	-	-	-	-
Ending balance	400,959	837,742	-	-	-	-	-
MBTUs per ton burned	-	24.88	-	-	-	-	-
Cost of ending inventory ($/ton)	93.14	93.62	-	-	-	-	-
Oil Data:							
Beginning balance	299,442	438,646	4,454,272	7,957,906	2,592,206	-	744,875
Gallons received during period	7,456	59,164	-	-	-	-	-
Miscellaneous use and adjustments	(699)	(7,437)	(3,204)	-	-	-	-
Gallons burned during period	-	67,411	-	-	-	-	913
Ending balance	306,199	422,962	4,451,068	7,957,906	2,592,206	-	743,962
Cost of ending inventory ($/gal)	1.81	1.72	2.09	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	1,366,386	4,769,131	2,722,533	1,705,725	-
MCF burned during period	-	-	1,366,386	4,769,131	2,722,533	1,705,725	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	19,102	-	-	-
MCF burned during period	-	-	-	19,102	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	11,787	63,731	-	-	-	-	-
Tons received during period	3,619	10,758	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	-	5,231	-	-	-	-	-
Ending balance	15,406	69,258	-	-	-	-	-
Cost of ending inventory ($/ton)	49.41	41.76	-	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
OCTOBER 2020

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME October 2020
Coal Data:								
Beginning balance	-	-	-	-	-	-	1,035,893	1,351,598
Tons received during period	-	-	-	-	-	-	293,861	2,598,789
Inventory adjustments	-	-	-	-	-	-	-	32,728
Tons burned during period	-	-	-	-	-	-	91,053	2,705,254
Ending balance	-	-	-	-	-	-	1,238,701	1,238,701
MBTUs per ton burned	-	-	-	-	-	-	24.88	25.11
Cost of ending inventory ($/ton)	-	-	-	-	-	-	93.46	93.46
Oil Data:								
Beginning balance	10,033,053	11,144,965	554,096	125,067	261,972	70,540	38,677,040	38,433,646
Gallons received during period	-	-	-	-	-	-	66,620	5,013,278
Miscellaneous use and adjustments	-	-	-	-	-	-	(11,340)	(127,055)
Gallons burned during period	-	-	-	2,426	-	-	70,750	4,658,299
Ending balance	10,033,053	11,144,965	554,096	122,641	261,972	70,540	38,661,570	38,661,570
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.31	2.31	2.31	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	538,032	-	-	-	-	11,101,807	157,115,563
MCF burned during period	-	538,032	-	-	-	-	11,101,807	157,115,563
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	19,102	157,882
MCF burned during period	-	-	-	-	-	-	19,102	157,882
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	75,518	111,871
Tons received during period	-	-	-	-	-	-	14,377	135,273
Inventory adjustments	-	-	-	-	-	-	-	5,162
Tons consumed during period	-	-	-	-	-	-	5,231	167,642
Ending balance	-	-	-	-	-	-	84,664	84,664
Cost of ending inventory ($/ton)	-	-	-	-	-	-	43.15	43.15

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

OCTOBER 2020

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	-	-	-
	CONTRACT	-	-	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	$ 1,456,867	-
	TOTAL	-	$ 1,456,867	-
ROXBORO	SPOT	12,427	$ 819,420	$ 65.94
	CONTRACT	281,434	18,106,454	64.34
	FIXED TRANSPORTATION/ADJUSTMENTS	-	14,288,218	-
	TOTAL	293,861	$ 33,214,092	$ 113.03
ALL PLANTS	SPOT	12,427	$ 819,420	$ 65.94
	CONTRACT	281,434	18,106,454	64.34
	FIXED TRANSPORTATION/ADJUSTMENTS	-	15,745,085	-
	TOTAL	293,861	$ 34,670,959	$ 117.98

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

OCTOBER 2020

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	-	-	-	-
ROXBORO	6.77	9.80	12,502	1.79

DUKE ENERGY PROGRESS
ANALYSIS OF OIL PURCHASED
OCTOBER 2020

	MAYO	ROXBORO	ROXBORO
VENDOR	Greensboro Tank Farm	Greensboro Tank Farm	Hightowers Petroleum Co
SPOT/CONTRACT	Contract	Contract	Spot
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	7,456	52,223	6,941
TOTAL DELIVERED COST	$ 11,142	$ 77,458	$ 8,483
DELIVERED COST/GALLON	$ 1.49	$ 1.48	$ 1.22
BTU/GALLON	138,000	138,000	138,000

NOTE: Price Adjustment of $604 for the Robinson station is excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2019 - October, 2020
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	6,913,264	938	83.91	82.47
Brunswick 2	8,101,930	932	98.96	98.40
Harris 1	8,002,476	964	94.51	92.56
Robinson 2	6,807,287	756	102.51	99.97

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2019 through October, 2020
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,121,899	225	56.76	76.30
Lee Energy Complex	1B	1,157,987	227	58.07	78.58
Lee Energy Complex	1C	1,142,021	228	57.02	76.23
Lee Energy Complex	ST1	2,224,509	379	66.82	85.33
Lee Energy Complex	Block Total	5,646,416	1,059	60.70	80.01
Richmond County CC	7	947,272	194	55.59	77.80
Richmond County CC	8	929,312	194	54.53	77.31
Richmond County CC	ST4	1,086,391	182	67.96	85.39
Richmond County CC	9	1,364,895	216	71.94	82.22
Richmond County CC	10	1,356,554	216	71.50	80.78
Richmond County CC	ST5	1,779,753	248	81.70	91.26
Richmond County CC	Block Total	7,464,177	1,250	67.98	82.78
Sutton Energy Complex	1A	1,213,828	224	61.69	77.23
Sutton Energy Complex	1B	1,220,025	224	62.01	76.34
Sutton Energy Complex	ST1	1,520,903	271	63.89	85.16
Sutton Energy Complex	Block Total	3,954,756	719	62.62	79.94
Asheville CC	ACC CT5	957,433	189	57.72	78.34
Asheville CC	ACC CT7	815,249	189	49.15	79.50
Asheville CC	ACC ST6	456,090	91	56.95	74.26
Asheville CC	ACC ST8	290,166	91	36.23	79.72
Asheville CC	Block Total	2,518,938	560	51.21	78.30

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2019 through October, 2020

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	783,763	746	11.96	58.66
Roxboro 2	1,414,635	673	23.93	57.26
Roxboro 3	2,050,400	698	33.44	77.44
Roxboro 4	1,269,916	711	20.33	63.35

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2019 through October, 2020
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	71,566	192	4.24	23.51
Asheville	2	98,703	192	5.85	20.40
Roxboro	1	490,489	380	14.69	64.44

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2019 through October, 2020
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	305,855	349	95.09
Blewett CT	-643	68	95.41
Darlington CT	-210	777	91.22
Richmond County CT	1,277,764	934	91.23
Sutton Fast Start CT	82,420	98	94.50
Wayne County CT	186,188	963	94.26
Weatherspoon CT	-306	164	87.95

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
November, 2019 through October, 2020
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	7,315	27.0	3.90
Marshall	-352	4.0	2.68
Tillery	274,080	84.0	90.02
Walters	526,918	113.0	64.15

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.